

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\  
 Data File : VN063656.D  
 Acq On : 25 Sep 2020 3:25  
 Operator : JC/MD  
 Sample : PB131852ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131852ZHE#01

Manual Integrations  
 APPROVED

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 9/28/2020 5:15:36 PM

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Quant Time: Sep 25 06:12:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 204156   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 403146   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 407752   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 174327   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 180096   | 51.82  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.64% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 132968   | 47.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.28%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 518208   | 49.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.76%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 203854   | 52.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.98% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 13609    | 12.185 | ug/l #  | 84       |
| 18) Methyl Acetate          | 4.29  | 43   | 5058m    | 1.784  | ug/l    |          |
| 20) Methylene Chloride      | 4.51  | 84   | 18065    | 6.384  | ug/l #  | 84       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 74964    | 9.946  | ug/l    | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

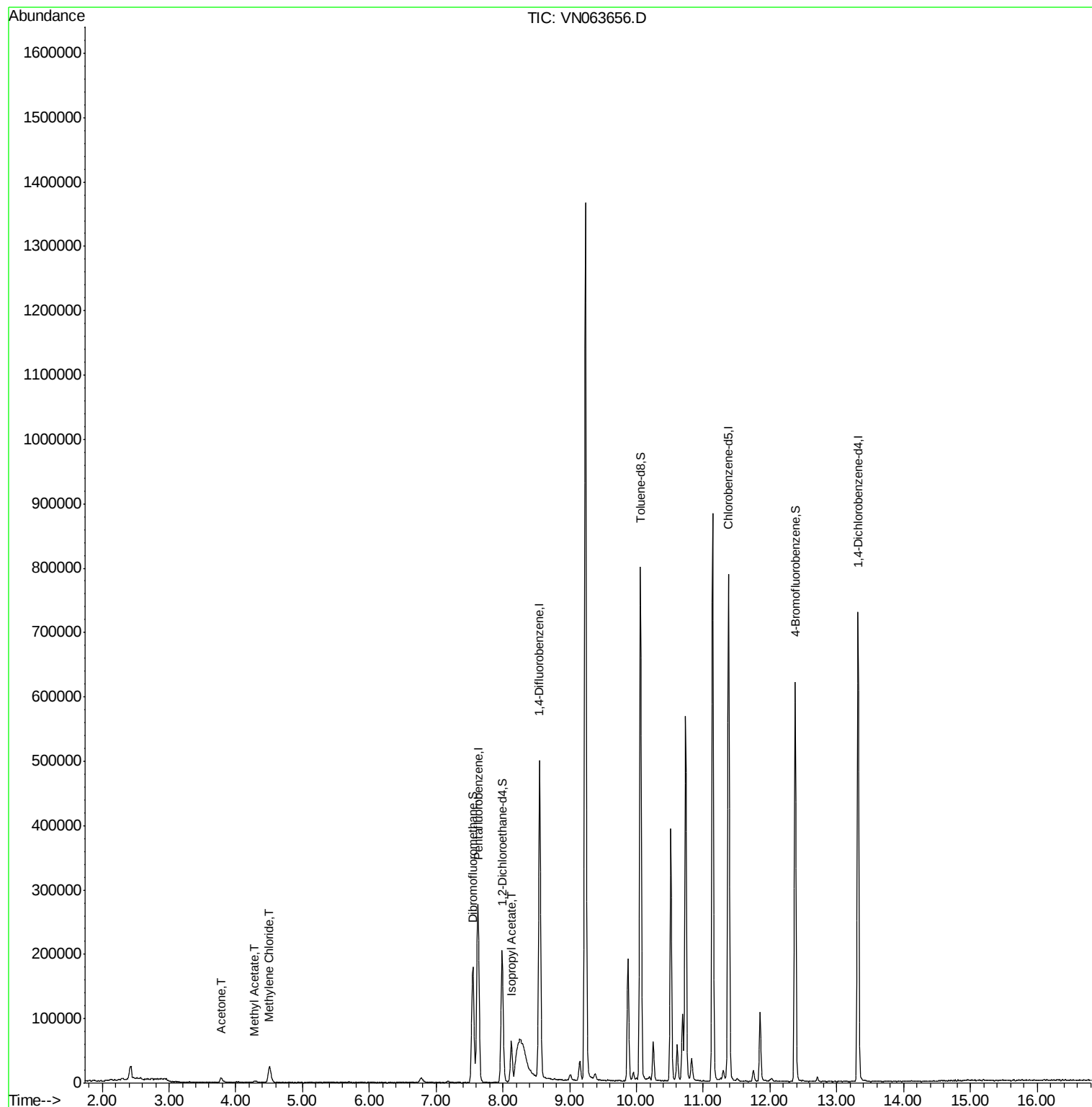
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\  
Data File : VN063656.D  
Acq On : 25 Sep 2020 3:25  
Operator : JC/MD  
Sample : PB131852ZHE#01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 42 Sample Multiplier: 1

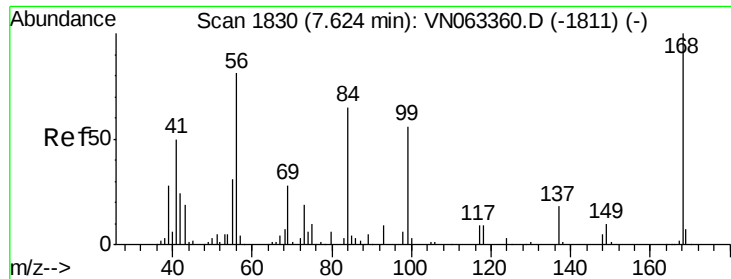
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB131852ZHE#01

Manual Integrations  
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9/28/2020 5:15:36 PM

Quant Time: Sep 25 06:12:11 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063656.D

Acq: 25 Sep 2020 3:25

Instrument :

MSVOA\_N

ClientSampleId :

PB131852ZHE#01

Tot Ion:168 Resp: 204156

Ion Ratio Lower Upper

168 100

99 66.1 53.0 79.6

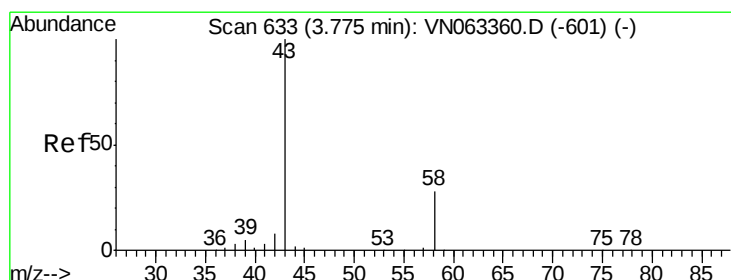
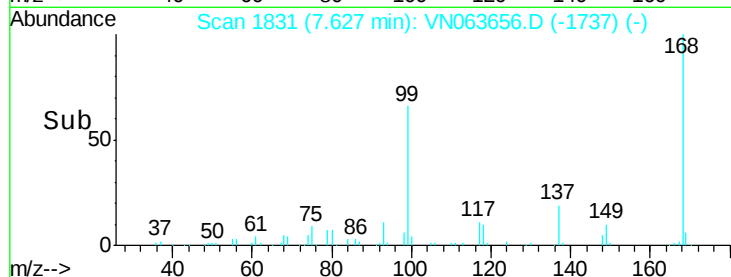
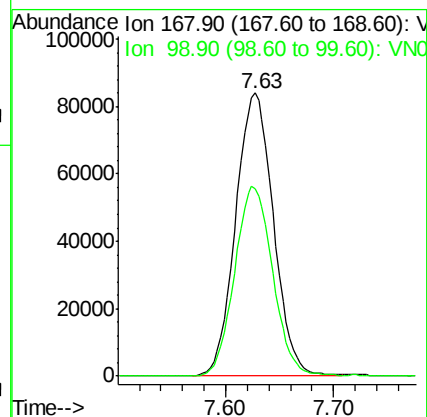
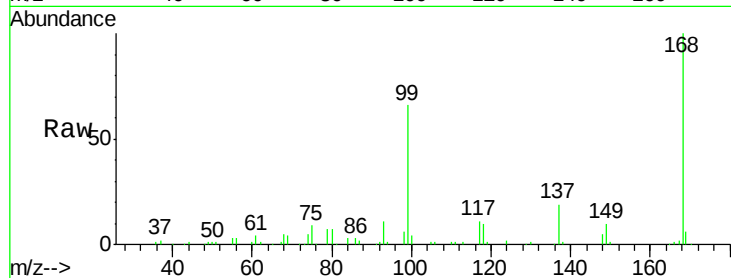
Manual Integrations

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#16

Acetone

Concen: 12.185 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN063656.D

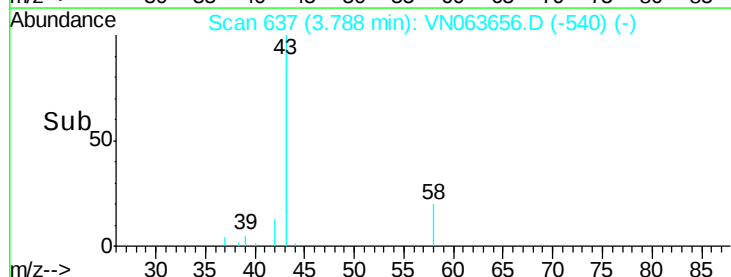
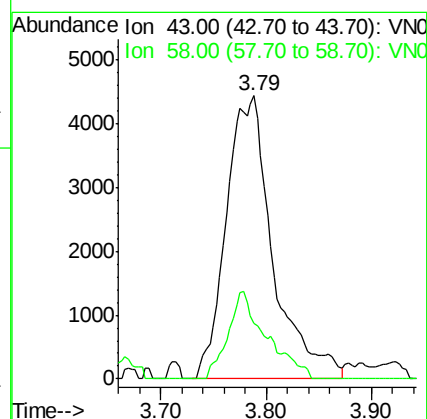
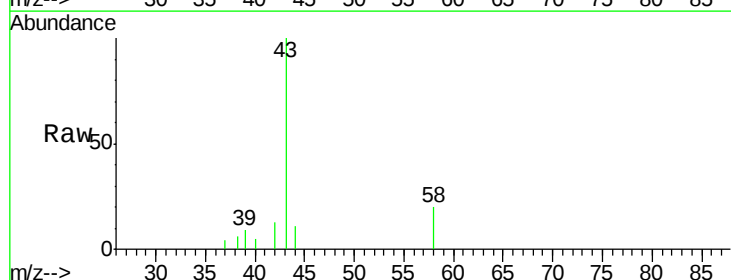
Acq: 25 Sep 2020 3:25

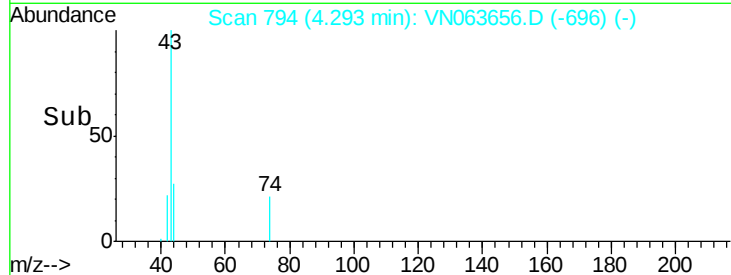
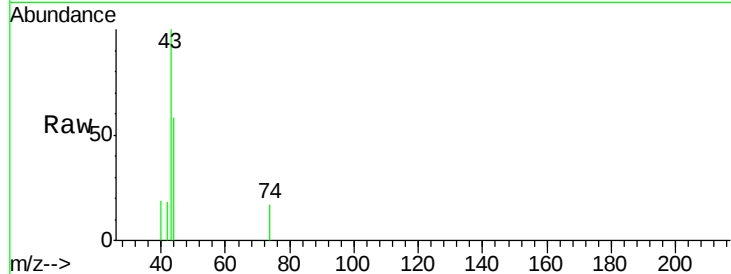
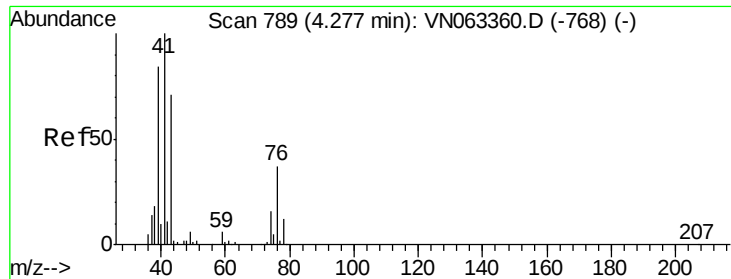
Tgt Ion: 43 Resp: 13609

Ion Ratio Lower Upper

43 100

58 19.6 22.3 33.5#





#18  
Methyl Acetate  
Concen: 1.784 ug/l m  
RT: 4.29 min Scan# 794  
Delta R.T. 0.02 min  
Lab File: VN063656.D  
Acq: 25 Sep 2020 3:25

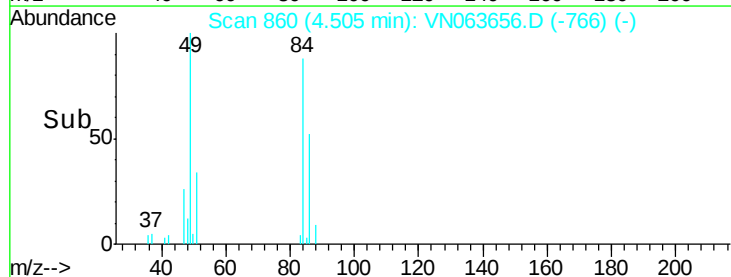
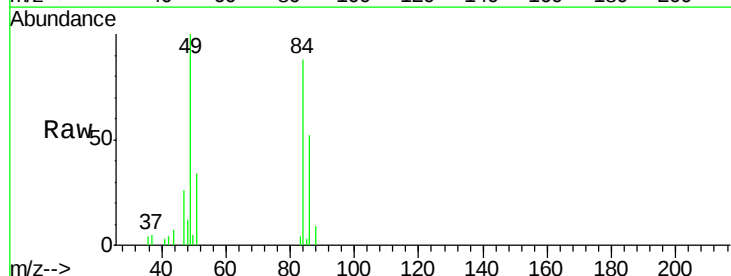
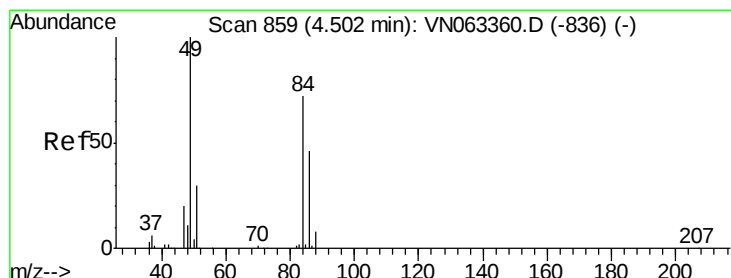
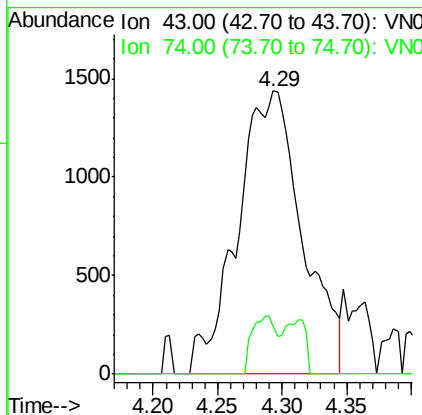
Tot Ion: 43 Resp: 5058  
Ion Ratio Lower Upper  
43 100  
74 7.5 17.4 26.2#

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB131852ZHE#01

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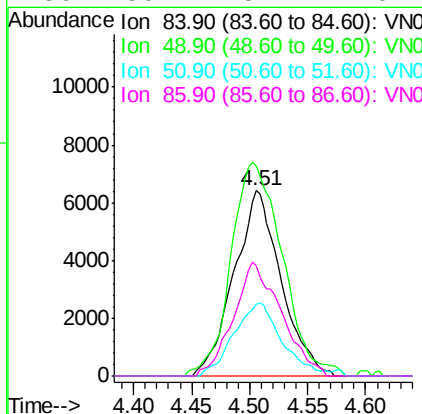
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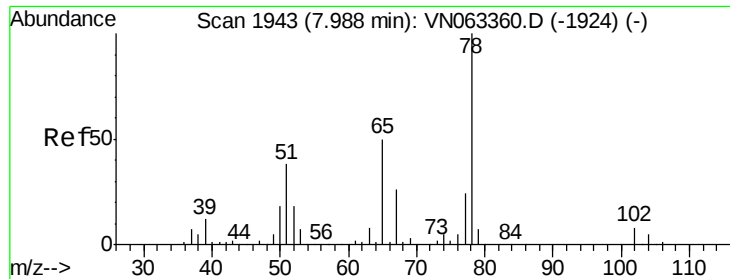
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#20  
Methylene Chloride  
Concen: 6.384 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VN063656.D  
Acq: 25 Sep 2020 3:25

Tgt Ion: 84 Resp: 18065  
Ion Ratio Lower Upper  
84 100  
49 110.2 110.7 166.1#  
51 38.5 32.9 49.3  
86 59.2 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 51.822 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063656.D

Acq: 25 Sep 2020 3:25

Instrument :

MSVOA\_N

ClientSampleId :

PB131852ZHE#01

Tot Ion: 65 Resp: 180096

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.2

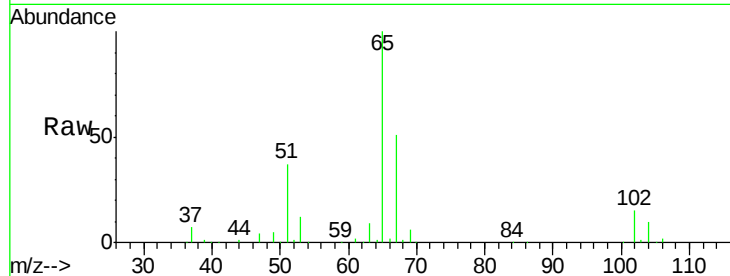
Manual Integrations

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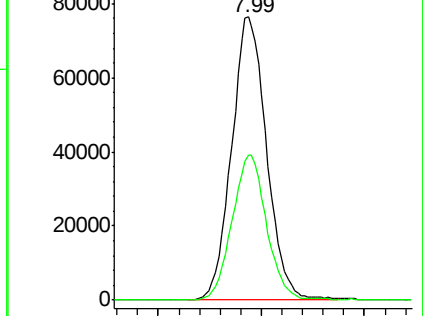
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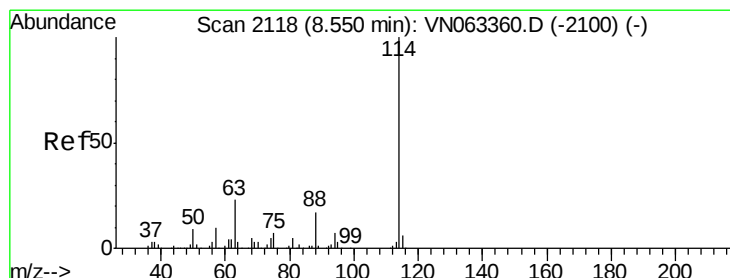
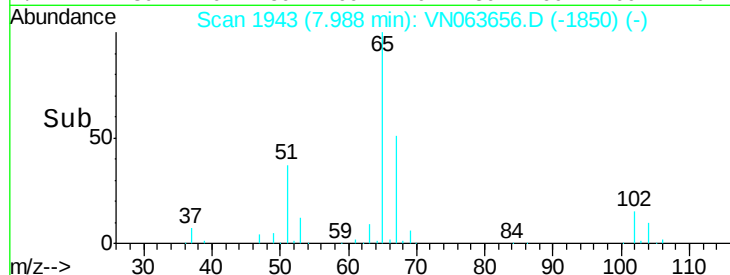


Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063656.D

Acq: 25 Sep 2020 3:25

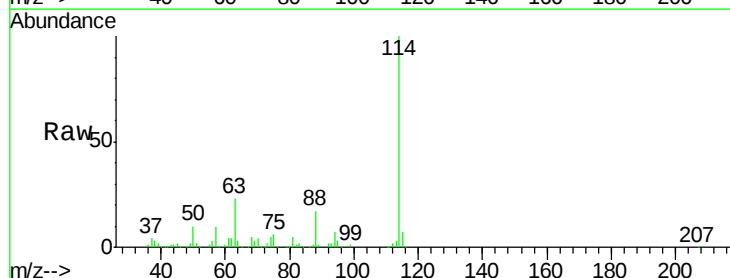
Tgt Ion: 114 Resp: 403146

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.4

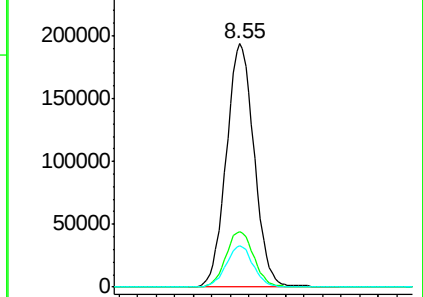
88 17.2 0.0 33.2



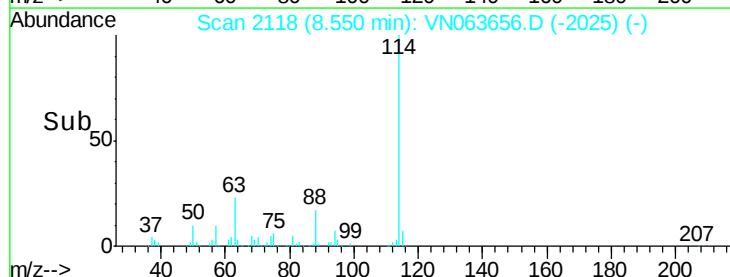
Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

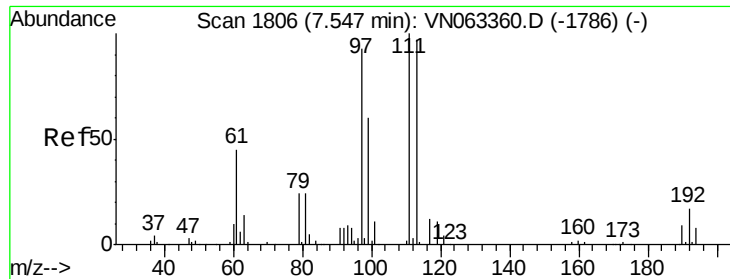
Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)



Time-->





#35  
 Dibromofluoromethane  
 Concen: 47.643 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063656.D  
 Acq: 25 Sep 2020 3:25

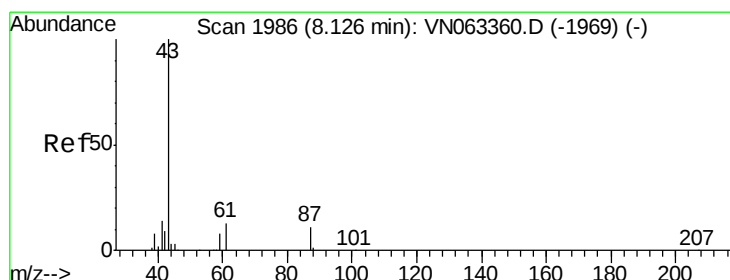
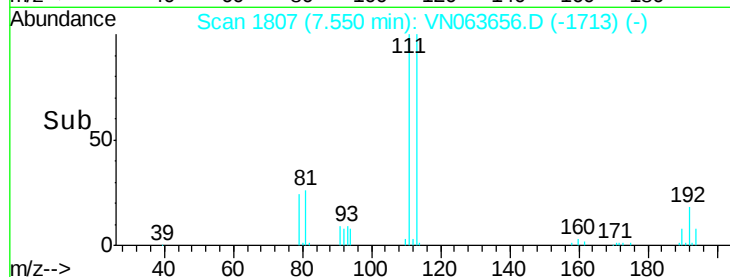
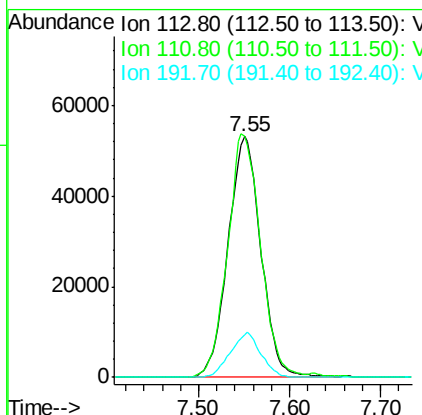
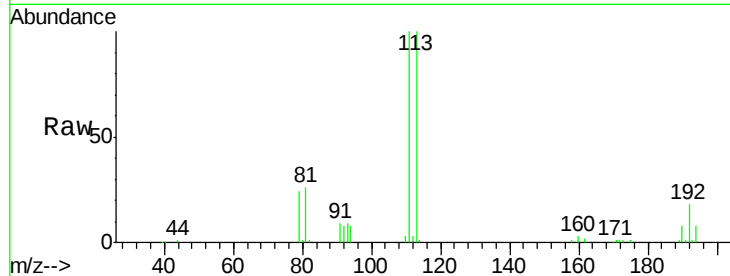
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131852ZHE#01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 101.4 | 82.9 | 124.3 |       |
| 192     | 17.3  | 13.9 | 20.9  |       |

Manual Integrations  
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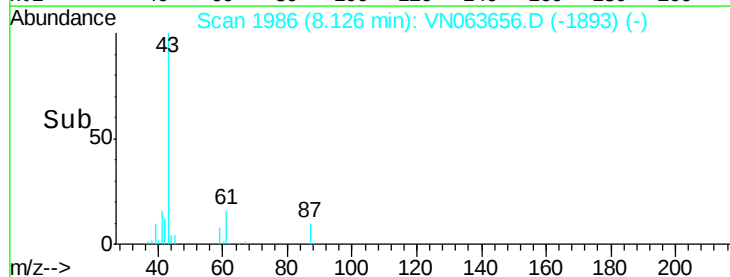
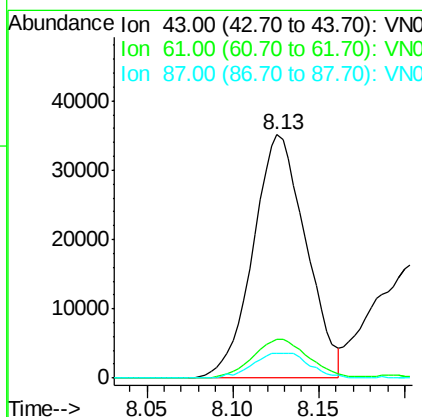
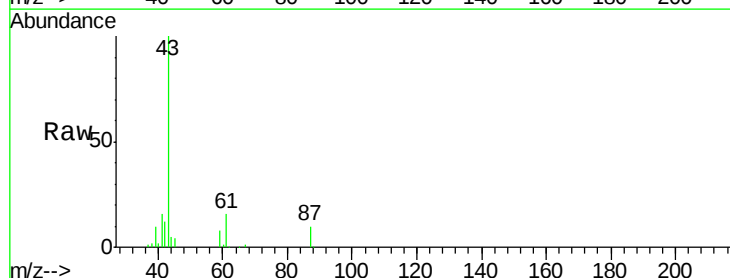
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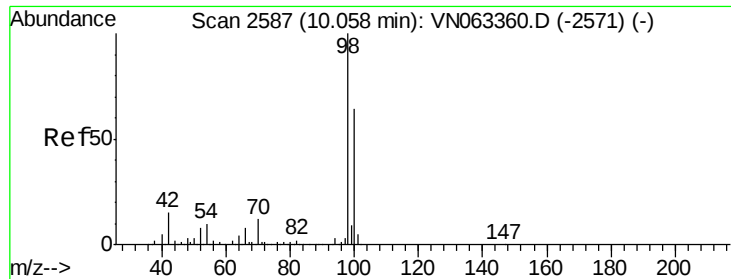
9/28/2020 5:15:36 PM



#43  
 Isopropyl Acetate  
 Concen: 9.946 ug/l  
 RT: 8.13 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VN063656.D  
 Acq: 25 Sep 2020 3:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 16.9  | 14.2 | 21.2  |       |
| 87      | 10.9  | 9.0  | 13.6  |       |





#50  
Toluene-d8  
Concen: 49.380 ug/l  
RT: 10.06 min Scan# 2588  
Delta R.T. 0.00 min  
Lab File: VN063656.D  
Acq: 25 Sep 2020 3:25

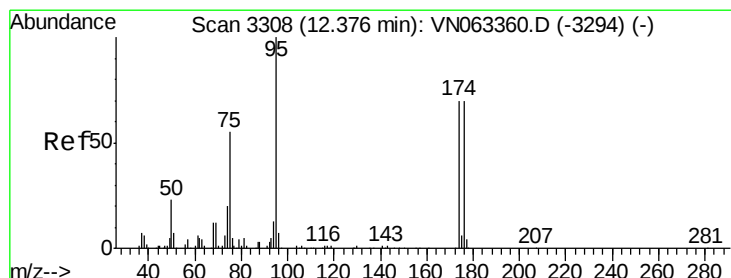
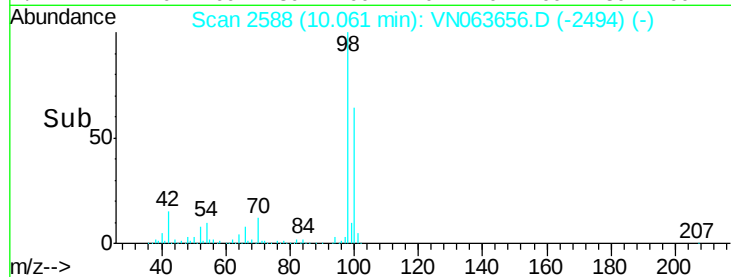
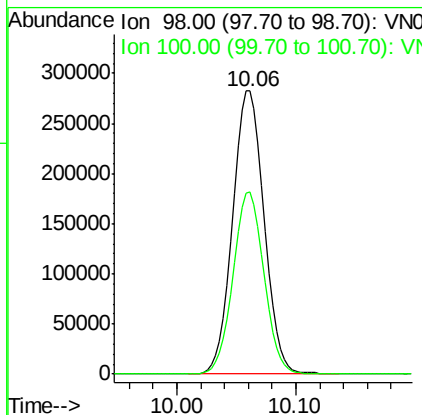
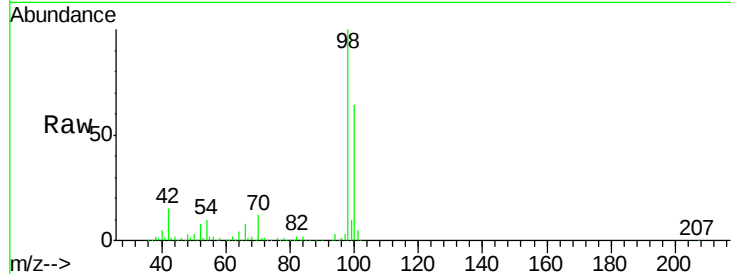
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB131852ZHE#01

Tot Ion: 98 Resp: 518208  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.7 76.1

Manual Integrations  
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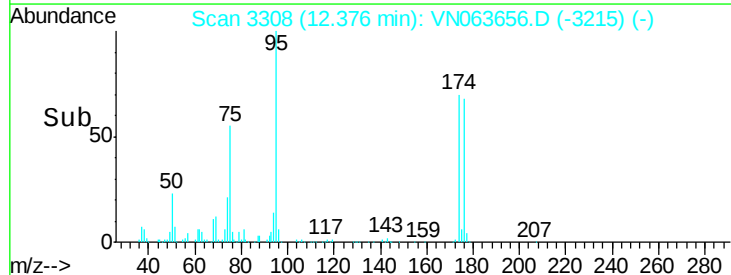
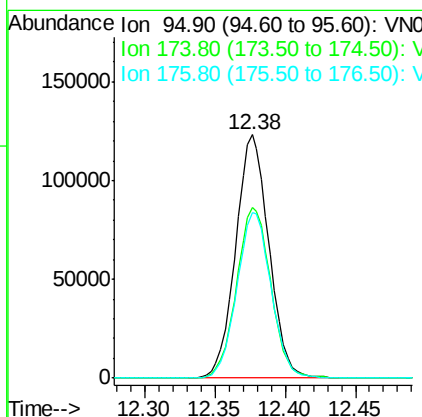
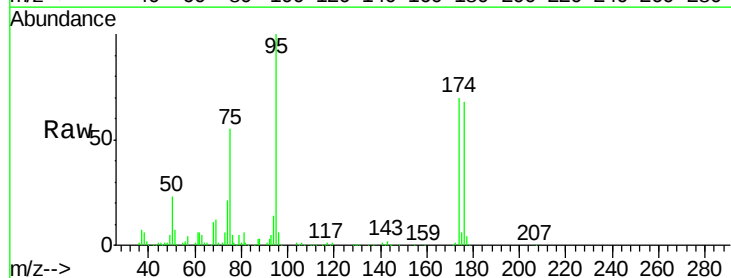
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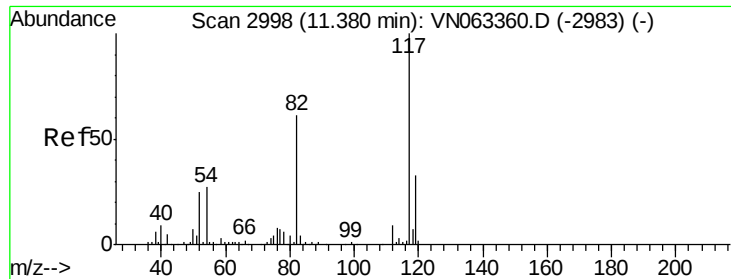
9/28/2020 5:15:36 PM



#62  
4-Bromofluorobenzene  
Concen: 52.990 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN063656.D  
Acq: 25 Sep 2020 3:25

Tgt Ion: 95 Resp: 203854  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 140.8  
176 69.7 0.0 137.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063656.D  
Acq: 25 Sep 2020 3:25

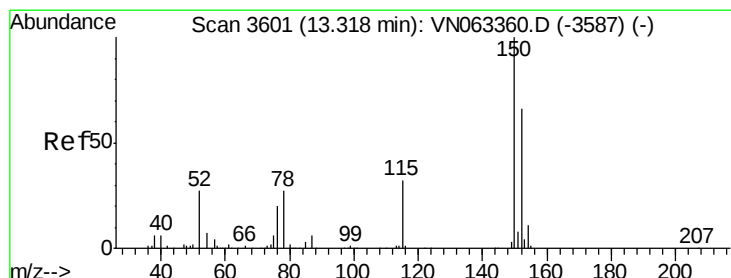
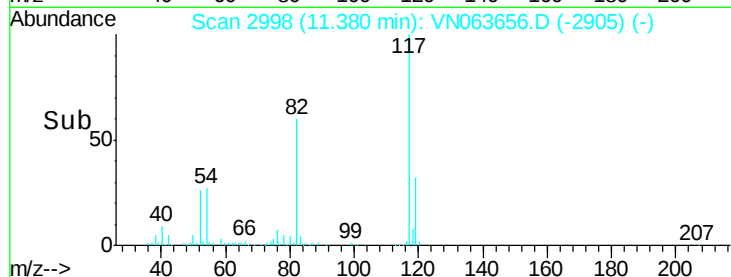
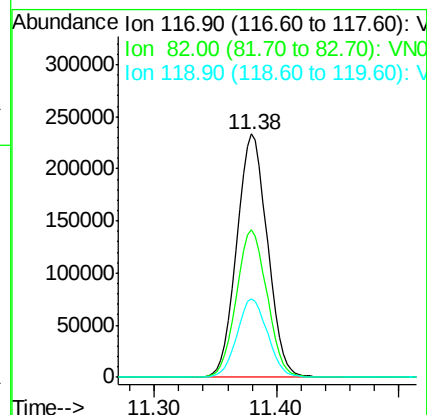
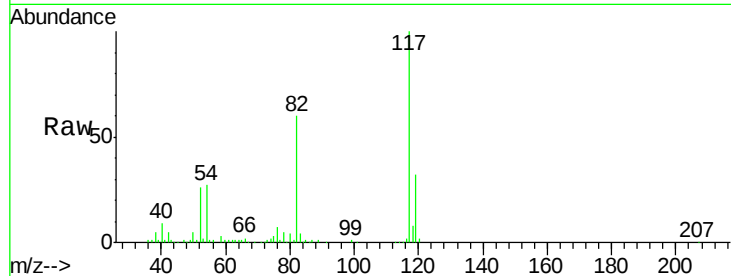
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB131852ZHE#01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 407752 |       |       |
| 82      | 60.5  | 49.2   | 73.8  |       |
| 119     | 32.4  | 26.2   | 39.4  |       |

Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063656.D  
Acq: 25 Sep 2020 3:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 174327 |       |       |
| 115     | 62.7  | 32.2   | 96.6  |       |
| 150     | 157.3 | 0.0    | 343.4 |       |

